

Title (en)

PIXEL STRUCTURE, DISPLAY APPARATUS, AND METHOD OF FABRICATING PIXEL STRUCTURE

Title (de)

PIXELSTRUKTUR, ANZEIGEVORRICHTUNG UND VERFAHREN ZUR HERSTELLUNG EINER PIXELSTRUKTUR

Title (fr)

STRUCTURE DE PIXELS, APPAREIL D'AFFICHAGE, ET PROCÉDÉ DESTINÉ À FABRIQUER UNE STRUCTURE DE PIXELS

Publication

EP 3884532 A4 20220629 (EN)

Application

EP 18932975 A 20181120

Priority

CN 2018116467 W 20181120

Abstract (en)

[origin: WO2020102984A1] A pixel structure includes a base substrate (10) and a light emitting element (20) on the base substrate (10). The light emitting element (20) includes a reflective electrode (21), a light emitting layer (22) on the reflective electrode (21), and a substantially transparent electrode (23) on a side of the light emitting layer (22) away from the reflective electrode (21). The reflective electrode (21) has a reflective ridge (30) configured to reflect light laterally transmitted through the light emitting layer (22) to exit from a light emitting surface of the pixel structure. The reflective ridge (30) has a first concave reflective sidewall (30w1) extending from a peak (30p) of the reflective ridge (30) to a base of the reflective ridge (30), and a second concave reflective sidewall (30w2) extending from the peak (30p) of the reflective ridge (30) to the base of the reflective ridge (30). The first concave reflective sidewall (30w1) faces away from the second concave reflective sidewall (30w2).

IPC 8 full level

H01L 51/52 (2006.01); **H01L 27/32** (2006.01)

CPC (source: EP US)

H10K 50/813 (2023.02 - US); **H10K 50/818** (2023.02 - US); **H10K 50/828** (2023.02 - US); **H10K 59/80515** (2023.02 - EP); **H10K 59/80518** (2023.02 - EP); **H10K 59/878** (2023.02 - EP); **H10K 59/879** (2023.02 - EP); **H10K 71/00** (2023.02 - US); **H10K 59/122** (2023.02 - EP); **H10K 2102/3026** (2023.02 - EP)

Citation (search report)

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